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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Weissleder et al.  
Serial No. : 10/039,831  
Filed : January 4, 2002  
Title : ACTIVATABLE IMAGING PROBES

Art Unit : Unknown  
Examiner : Unknown

Commissioner for Patents  
Washington, D.C. 20231

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INFORMATION DISCLOSURE STATEMENT

Applicants submit the documents listed on the attached form PTO-1449, a copy of which is enclosed. Also enclosed is a copy of a search report dated September 12, 2002, issued in a counterpart application International Application No. PCT/US02/00379. The disclosed document was first cited in this search report.

This statement is being filed before the receipt of a first Office action on the merits. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: October 29, 2002

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

October 30, 2002  
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Diane M. Saturno  
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Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
14087-006001Application No.  
10/039,831**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR 1.98(b))

Applicant  
Weissleder et al.Filing Date  
January 4, 2002

Group Art Unit

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,397,099	05/28/02	Britton Chance	600	473	
	AB	6,377,842	04/23/02	Pogue et al.	600	478	
	AC	6,268,222	07/31/01	Chandler et al.	436	523	
	AD	6,258,340	07/10/01	Licha et al.	424	9.6	
	AE	6,205,347	03/20/01	Morgan et al.	600	407	
	AF	6,083,486	07/04/00	Weissleder et al.	424	9.6	
	AG	6,083,485	07/04/00	Licha et al.	424	9.6	
	AH	6,026,319	02/15/00	Katsumi Hayashi	600	476	
	AI	5,876,946	03/02/99	Burbaum et al.	435	7.1	
	AJ	5,865,754	02/02/99	Sevick-Muraca et al.	600	476	
	AK	5,846,703	12/08/98	Devlin et al.	435	5	
	AL	5,699,798	12/23/97	Hochman et al.	128	653.1	
	AM	5,677,199	10/14/97	Arrhenius	436	536	
	AN	5,661,035	08/26/97	Tsien et al.	436	63	
	AO	5,650,135	07/22/97	Contag et al.	424	9.1	07/01/94
	AP	5,641,878	06/24/97	Dandliker et al.	540	128	
	AQ	5,593,658	01/14/97	Bogdanov et al.	424	9.34	
	AR	5,403,928	04/04/95	Arrhenius	540	128	
	AS	5,391,877	02/21/95	Michael A. Marks	250	363.04	
	AT	5,186,173	02/16/93	Zuckerman	128	633	
	AU	5,090,415	02/25/92	Yamashita et al.	128	665	
	AV	4,947,850	08/14/90	Vanderkooi et al.	128	654	
	AW	4,945,239	07/31/90	Wist et al.	250	358.1	
	AX	4,321,930	03/30/82	Jobsis et al.	128	633	
	AY	4,281,645	08/04/81	Frans F. Jobsis	128	633	
	AZ						

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Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
14087-006001Application No.  
10/039,831**Information Disclosure Statement  
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Weissleder et al.Filing Date  
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PCT CENTER 1600/2900**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	BA	WO 98/47538	10/29/98	WIPO	A61K	49/00		
	BB							

**Other Documents (include Author, Title, Date, and Place of Publication)**

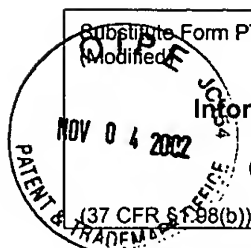
Examiner Initial	Desig. ID	Document
	BC	Achilefu, S. et al., "Novel receptor-targeted fluorescent contract agents for in vivo tumor imaging," <i>Investigative Biology</i> , 35:479-485 (2000)
	BD	Ballou, B. et al., "Tumor detection and visualization using cyanine fluorochrome-labeled antibodies," <i>Biotechnology Progress</i> , 13:649-658 (1997)
	BE	Ballou et al., "Tumor Labeling In Vivo Using Cyanine-Conjugated Monoclonal Antibodies," <i>Cancer Immunol. Immunother</i> 41:257-263 (1995)
	BF	Bogdanov et al., "Long-Circulating Blood Pool Imaging Agents," <i>Advanced Drug Delivery Reviews</i> 16:335-348 (1995)
	BG	Bogdanov, Jr. A. et al., "The development of in vivo imaging systems to study gene expression," <i>Trends in Biotechnology</i> , 16:5-10 (1998)
	BH	Chance, B., "Near infrared images using continuous, phase-modulated, and pulsed light with quantitation of blood and blood oxygenation," <i>Annals of the NY Acad. Sci.</i> , 838:29-45 (1998)
	BI	Dellian, M. et al., "Vascular permeability in a human tumour xenograft: molecular charge dependence," <i>British Journal of Cancer</i> , 82:1513-1518 (2000)
	BJ	Denmeade et al., "Specific and Efficient Peptide Substrates for Assaying the Proteolytic Activity of Prostate-Specific Antigen," <i>Cancer Research</i> 57:4924-4930 (1997)
	BK	Folli et al., "Antibody-Indocyanin Conjugates for Immunophotodetection of Human Squamous Cell Carcinoma in Nude Mice," <i>Cancer Research</i> 54:2643-2649 (1994)
	BL	Folli, S. et al., "Immunophotodiagnosis of colon carcinomas...", <i>Proc. Natl. Acad. Sci. USA</i> , 89:7973-7977, 1992
	BM	Gulnik et al., "Design of Sensitive Fluorogenic Substrates for Human Cathepsin D," <i>FEBS Letters</i> 413:379-384 (1997)
	BN	Gurfinkel, M. et al., "Pharmacokinetics of ICG and HPPH-car for Detection of Normal and Tumor Tissue Using Fluorescence, Near-Infrared Continuous Wave Imaging, MD7-1:245-248
	BO	Kak, A. et al., "Principles of computerized tomographic imaging," IEEE Press, New York, 208-218, (1988)
	BP	Mahmood, U. et al., "Near-infrared optical imaging of protease activity for tumor detection," <i>Radiology</i> , 213:866-70 (1999)
	BQ	Masters B. et al., "Multiphoton Excitation fluorescence microscopy and spectroscopy of in vivo human skin," <i>Biophysical Journal</i> 72:2405-2412 (1997)
	BR	Mew, D. et al., "Photoimmunotherapy: Treatment of animal...", <i>Journal of Immunology</i> , 130:1473-1477, 1982
	BS	Moats, R.A. et al., "A "smart" magnetic resonance imaging agent that reports on specific enzymatic activity," <i>Angewandte Chemie Int. Ed.</i> 36:726-731 (1997)

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14087-006001	Application No. 10/039,831
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Weissleder et al.	
(37 CFR § 1.98(b))		Filing Date January 4, 2002	Group Art Unit



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### Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	CA	Neri et al., "Targeting by Affinity-Matured Recombinant Antibody Fragments of an Angiogenesis Associated Fibronectin Isoform," <i>Nature Biotechnology</i> 15:1271-1275 (1997)
	CB	Ntziachristos, V. et al., "Concurrent MRI and diffuse optical tomography of breast after indocyanine green enhancement," <i>PNAS</i> , 97(6):2767-2772, (2000)
	CC	O'Leary, M.A. et al., "Experimental images of heterogeneous turbid media by frequency-domain diffusing-photon tomography," <i>Optical Society of America</i> , pp. 426-428
	CD	Pottier, R.H., et al., "Non-invasive technique for obtaining...", <i>Photochemistry and Photobiology</i> , 44(5):679-687, 1986
	CE	Rajadhyaksha, M. et al., "In vivo confocal scanning laser microscopy of human skin: melanin provides strong contrast," <i>J. Invest. Dermatology</i> 104:946-952 (1995)
	CF	Tearney et al., "In Vivo Endoscopic Optical Biopsy with Optical Coherence Tomography," <i>Science</i> , 276:2037-2039, (1997)
	CG	Tromberg et al., "Non-Invasive Measurements of Breast Tissue Optical Properties Using Frequency-Domain Photon Migration," <i>Phil. Trans. R. Soc. London B</i> 352:661-668 (1997)
	CH	Tung, C. et al., "In vivo imaging of proteolytic enzyme activity using a novel molecular reporter," <i>Cancer Research</i> 60:4953-4958 (2000)
	CI	Tyagi, S. et al., "Molecular beacons: probes that fluoresce upon hybridization," <i>Nat Biotechnology</i> , 14:303-308 (1996)
	CJ	Tyagi, S. et al., "Multicolor molecular beacons for allele discrimination," <i>Nature Biotechnology</i> 16:49-53 (1998)
	CK	Tyagi, S., et al., "Wavelength-shifting molecular beacons," <i>Nature Biotechnology</i> , 18:1191-1196 (2000)
	CL	Wagnieres, G. et al., "Photodetection of early cancer in...", <i>SPIE: Future Trends in Biomedical Applications of Lasers</i> , 1525:219-236, 1991
	CM	Weissleder, R. et al., "In vivo imaging of tumors with protease-activated near-infrared fluorescent probes," <i>Nat. Biotechnology</i> 17:375-8 (1999)
	CN	Weissleder, R. et al., "In vivo magnetic resonance imaging of transgene expression," <i>Nat. Med.</i> , 6:351-355 (2000)
	CO	Wu, J. et al., "Fluorescence tomographic imaging in turbid media using early-arriving photons and Laplace transforms," <i>Proc. Natl. Acad. Sci. USA</i> , 94:8783-8788, (1997)
	CP	Wyatt, "Cerebral Oxygenation and Haemodynamics in the Fetus and Newborn Infant," <i>Phil. Trans. R. Soc. London B</i> 352:697-700 (1997)
	CQ	

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